

FORM MUST BE TYPED  
\*\* AMENDED REPORT \*\*

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15-175-21302-0001

County Seward  
\_\_\_\_ - C - NE - SE Sec. 18 Twp. 32 Rge. 33 E X W  
1980 Feet from S/X (circle one) Line of Section  
660 Feet from E/X (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Operator: License # 5447  
Name: OXY USA Inc.  
Address P. O. Box 26100  
  
City/State/Zip Oklahoma City, Ok 73126-0100

Lease Name Longcor B Well # 2  
Field Name Hugoton  
Producing Formation Chase

Purchaser: Enron  
Operator Contact Person: Jerry Ledlow  
Phone (405) 749-2309

Elevation: Ground 2711 KB 2722  
Total Depth 5800 PBDT 2733

Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_  
Wellsite Geologist: N/A

Amount of Surface Pipe Set and Cemented at \* 1530 Feet  
Multiple Stage Cementing Collar Used? Yes \* X No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Designate Type of Completion  
\_\_\_\_\_ New Well \_\_\_\_\_ Re-Entry X Workover  
\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_ Temp. Abd.  
X Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan REWORK JN 10-18-94  
(Data must be collected from the Reserve Pit)

If Workover:  
Operator: OXY USA Inc. (Formerly Cabot Oil & Gas)  
Well Name: Longcor B #2 (Boles Trust 2-18)  
Comp. Date 3/19 Old Total Depth 5800  
\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD  
X Plug Back 2733 PBDT  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
NO 11/13/93 5/7/94  
\_\_\_\_\_ Date of START Date Reached TD Completion Date of  
\_\_\_\_\_ OF WORKOVER \_\_\_\_\_ WORKOVER

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
\_\_\_\_\_ Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]  
Title STAFF ANALYST Date 10/10/94  
Subscribed and sworn to before me this 13<sup>th</sup> day of October,  
19 94.  
Notary Public Sammy L Padilla  
Date Commission Expires 8-21-96

**K.C.C. OFFICE USE ONLY**  
F \_\_\_\_\_ Letter of Confidentiality Attached  
C \_\_\_\_\_ Wireline Log Received  
C \_\_\_\_\_ Geologist Report Received  
**Distribution**  
✓ KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
\_\_\_\_\_ KGS \_\_\_\_\_ Plug RECEIVED Other  
STATE CORPORATION COMMISSION

Form ACO-1 (7/91) 17 1994  
OCT 17 1994  
CONSERVATION DIVISION  
WICHITA, KANSAS  
10-17-94 PI

**SIDE TWO**

Operator Name OXY USA Inc. Lease Name Longcor B Well # 2  
 Sec. 18 Twp. 32 Rge. 33  East  West  
 County Seward

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run: Cement Bond	<input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <b>Formation (Top), Depth and Datum</b> <table border="0" style="width:100%"> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Hollenberg</td> <td>2429</td> <td>+ 293</td> </tr> <tr> <td>Herington</td> <td>2456</td> <td>+ 266</td> </tr> <tr> <td>Krider</td> <td>2488</td> <td>+ 234</td> </tr> <tr> <td>Winfield</td> <td>2538</td> <td>+ 184</td> </tr> <tr> <td>Towanda</td> <td>2584</td> <td>+ 138</td> </tr> <tr> <td>Heebner</td> <td>3968</td> <td>- 1246</td> </tr> <tr> <td>Toronto</td> <td>3987</td> <td>- 1265</td> </tr> <tr> <td>Lansing</td> <td>4102</td> <td>- 1380</td> </tr> <tr> <td>Marmaton</td> <td>4682</td> <td>- 1960</td> </tr> <tr> <td>Cherokee</td> <td>4930</td> <td>- 2208</td> </tr> <tr> <td>Morrow</td> <td>5266</td> <td>- 2544</td> </tr> <tr> <td>Chester</td> <td>5398</td> <td>- 2676</td> </tr> <tr> <td>Ste. Genevieve</td> <td>5540</td> <td>- 2818</td> </tr> <tr> <td>St. Louis</td> <td>5622</td> <td>- 2900</td> </tr> </table>	Name	Top	Datum	Hollenberg	2429	+ 293	Herington	2456	+ 266	Krider	2488	+ 234	Winfield	2538	+ 184	Towanda	2584	+ 138	Heebner	3968	- 1246	Toronto	3987	- 1265	Lansing	4102	- 1380	Marmaton	4682	- 1960	Cherokee	4930	- 2208	Morrow	5266	- 2544	Chester	5398	- 2676	Ste. Genevieve	5540	- 2818	St. Louis	5622	- 2900
Name	Top	Datum																																												
Hollenberg	2429	+ 293																																												
Herington	2456	+ 266																																												
Krider	2488	+ 234																																												
Winfield	2538	+ 184																																												
Towanda	2584	+ 138																																												
Heebner	3968	- 1246																																												
Toronto	3987	- 1265																																												
Lansing	4102	- 1380																																												
Marmaton	4682	- 1960																																												
Cherokee	4930	- 2208																																												
Morrow	5266	- 2544																																												
Chester	5398	- 2676																																												
Ste. Genevieve	5540	- 2818																																												
St. Louis	5622	- 2900																																												

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
*Surface	12 1/4	8 5/8	24#	1530	H	725	6%gel, 2%cc
*Production	7 7/8	5 1/2	14#	2790	C	460	2%gel, 2%cc

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input checked="" type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2705-3005	H	100	2%cc

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
2	2431-33, 2459-63, 2488-92, 2510-12, 2538-42	Acidized w/3500 gal 7 1/2% FE.
		Frac w/52000 gal gel,
		185,000 # 10/20 sand

<b>TUBING RECORD</b>	Size 2 3/8	Set At 2574	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 1/31/94	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours 2/18/94	Oil Bbls.	Gas 18 Mcf	Water 546 Bbls.	Gas-Oil Ratio
				Gravity

Disposition of Gas: **METHOD OF COMPLETION** Production Interval 2431-2542  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

CEMENTING SERVICE REPORT

ORIGINAL **DS**

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER **07-12-5083** DATE **3-8-93**  
 STAGE **DS** DISTRICT **Wichita, KS**

DS-498 PRINTED IN U.S.A.

WELL NAME AND NO. **Boles Test 2-18 Sec 18-32s-33a**  
 LOCATION (LEGAL) **FORMATION**

COUNTY/PARISH **Seward** STATE **KS.** API NO.

NAME **Cabot Oil & Gas**

ADDRESS  
 ZIP CODE

SPECIAL INSTRUCTIONS

RIG NAME: **H-40 Drilling**  
 WELL DATA:  
 BIT SIZE **7 7/8** CSO/Liner Size **8 7/8**  
 TOTAL DEPTH **1532** WEIGHT **24**  
 MUD TYPE **SB** GRADE **SB**  
 MUD DENSITY **4.5** LESS FOOTAGE SHOE JOINTS  
 MUD VISC. **94.7** Disp. Capacity

NOTE: Include Footage From Ground Level To Head In Disp. Capacity  
 DEPTH **1532.50**  
 DEPTH **1532.50**

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE **1630** PSI CASING WEIGHT SURFACE AREA  
 PRESSURE LIMIT **1300** PSI BUMP PLUG TO  
 ROTATE RPM RECIPROCATE FT No. of Centralizers **7**

TIME 0001 to 2400  
 PRESSURE TBC OR D.P. CASING  
 VOLUME PUMPED % INCREMENT CUM  
 JOB SCHEDULED FOR TIME **0730** DATE **3-8-93**  
 ARRIVE ON LOCATION TIME **0730** DATE **3-8-93**  
 LEFT LOCATION TIME **1300** DATE **3-8-93**

TIME	TBC OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1038	50	10			5.4	H2O		start H2O ahead
1041	70	202			5.4	cmf	12.4	start lead cmf.
1059	90		96		5.4	cmf	12.4	PSI check
1117	100	28			5.4	cmf	16.4	start tail cmf.
1119	130		9		4.4	cmf	16.4	PSI check
1121	200		18		5.4	cmf	16.4	" "
1123	0							shut down deep top plug
1123	0	94.7			5.4	H2O		start displacement
1130	110		30		5.4	H2O		PSI check
1133	160		46		5.4	H2O		cement to surface
1136	250		60		5.4	H2O		PSI check
1140	450		85		2	H2O		locure rate
1143	400		89					shut down wait 5 min.
1148	320					H2O		start pump
1150	1300		95		2	H2O		bump top plug

REMARKS **151**  
 bleed psi at float holding  
 end job

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBL/S	DENSITY
1.	575	1.98	65# <b>3500 + 6% gel + 2% each + 4% D29</b>	12.4	
2.					
3.	150	1.05	class H + 2% each	16.4	
4.					
5.					
6.					

BREAKDOWN FLUID TYPE  
 HESITATION SQ.  RUNNING SQ.  CIRCULATION LOST  
 PRESSURE Cement Circulated To Surf.  YES  NO  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **94.7** Bbls  
 TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 SUPERVISOR **DS**



FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT  
AND PRE-TREATMENT DATA

ORIGINAL

ATTACH TO  
INVOICE & TICKET NO. 305071DISTRICT Liberal KsDATE 3-17-93

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: OXY-USA (CUSTOMER)  
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICINGWELL NO. B-2 LEASE Langcar SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_FIELD Liberal COUNTY Seward STATE Ks OWNED BY Same

## THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM _____ TO _____						
PACKER: TYPE	SET AT _____						
TOTAL DEPTH	MUD WEIGHT _____						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF _____							
PRESENT PROD: OIL _____ BPD, H <sub>2</sub> O _____ BPD, GAS _____ MCF _____							
CASING							
LINER							
TUBING		<u>u</u>	<u>16.60</u>	<u>4 1/2</u>	<u>0</u>	<u>3005</u>	
OPEN HOLE				<u>7 7/8</u>		<u>3005 +</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDEREDSet Plug Back 3005-2705

## CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
  2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
  3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing and returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

SIGNED [Signature] CUSTOMERDATE 3-17-93

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME 2:00 A.M. P.M.REGISTRATION  
OCT 1 1993  
STATE OF KANSAS



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

OKL  
Liberal Mo

BILLED ON TICKET NO. 305071

CUSTOMER: OXY USA  
LEASE: LONGCOAL  
WELL NO.: B-2  
JOB TYPE: Plug Back

## WELL DATA

FIELD N Liberal SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY Seward STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE **ORIGINAL**

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING						
LINER						
TUBING	<u>U</u>	<u>16.60</u>	<u>4 1/2</u>	<u>0</u>	<u>3005</u>	
OPEN HOLE			<u>7 7/8</u>		<u>3005 +</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>3-17</u>	DATE <u>3-17</u>	DATE <u>3-17</u>	DATE <u>3-17</u>
TIME <u>1800</u>	TIME <u>2000</u>	TIME <u>2202</u>	TIME <u>2230</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>L. Smith</u>	<u>C4463</u>	<u>Liberal Mo</u>
<u>L. Williams</u>	<u>C9591</u>	<u>"</u>
<u>D McIntyre</u>	<u>D9704</u>	<u>Hogston Mo</u>

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL-API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

GELLING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

BLOCKING AGENT TYPE \_\_\_\_\_ GAL-LB \_\_\_\_\_ IN

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cmt

DESCRIPTION OF JOB Plug Back 3003-2705

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X James T Morgan

HALLIBURTON OPERATOR Smith COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>100</u>	<u>Premium</u>		<u>B</u>	<u>2%cc</u>	<u>1.06</u>	<u>16.4</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL. 10 TYPE Water

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL-GAL \_\_\_\_\_ PAD: BBL-GAL \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL-GAL \_\_\_\_\_ DISPL: BBL. 32 1/2

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL. 19

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL. 66 1/2

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET \_\_\_\_\_ REASON \_\_\_\_\_

See Job Log

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 17 1988  
CONSERVATION DIVISION  
WICHITA

# HALLIBURTON SERVICES JOB LOG

WELL NO. *B-2* LEASE *Longcor* TICKET NO. *305071*  
 CUSTOMER *Oxy USA* PAGE NO. \_\_\_\_\_  
 JOB TYPE *Plug Back* DATE *3-17-93*

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	<i>1800</i>							<i>Call-out</i>
	<i>2000</i>							<i>ORIGINAL</i> <i>on loc</i>
	<i>2202</i>	<i>5</i>	<i>10</i>			<i>200</i>		<i>Pump Water</i>
	<i>2204</i>	<i>5</i>	<i>19</i>			<i>250</i>		<i>Pump Cement</i>
	<i>2208</i>		<i>3 1/2</i>			<i>50</i>		<i>Pump Water</i>
	<i>2210</i>	<i>5</i>				<i>100</i>		<i>Pump Mud</i>
	<i>2217</i>		<i>34</i>					<i>Shut Down - Pull Drill Pipe</i>
	<i>2230</i>							<i>Job Complete</i>

*Thank you*  
*Larry Smith & crew*

RECEIVED  
STATE CORPORATION COMMISSION  
OCT 17 1994  
TAVHILL LN  
WTA, KAN.